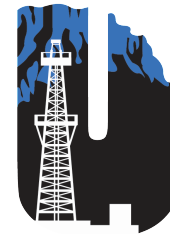


Uintah Basin Natural Resources



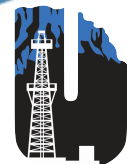
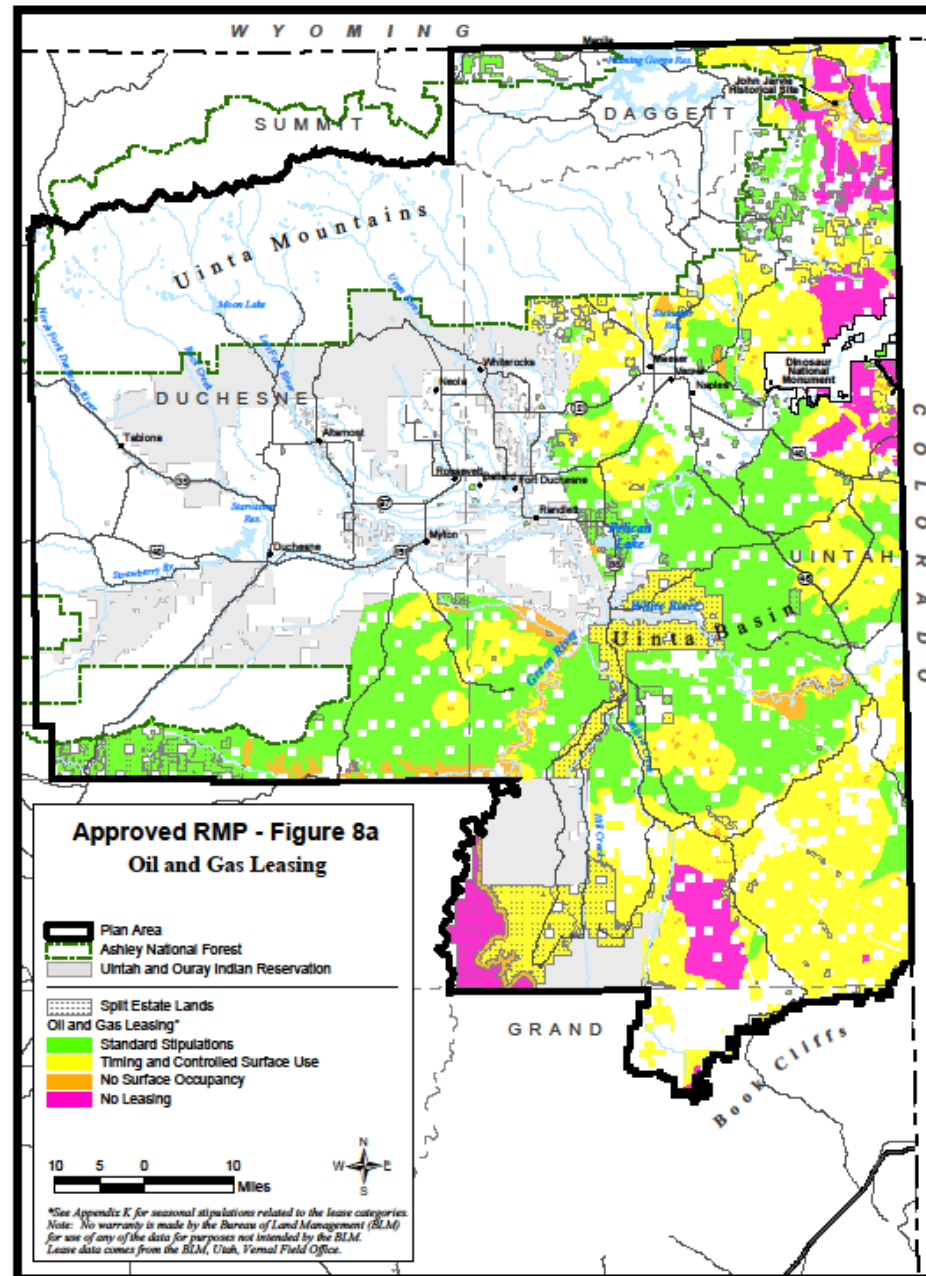
UINTAH
COUNTY ECONOMIC DEVELOPMENT











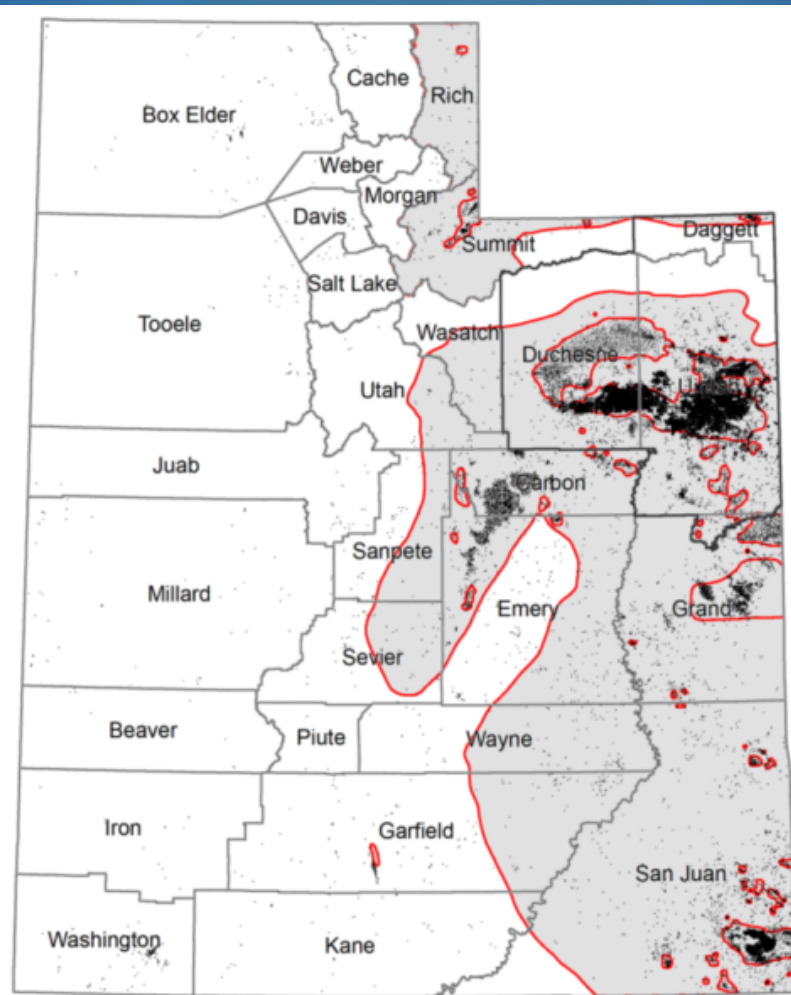
UINTAH
COUNTY ECONOMIC DEVELOPMENT

Uintah Basin's Vast Natural Resources

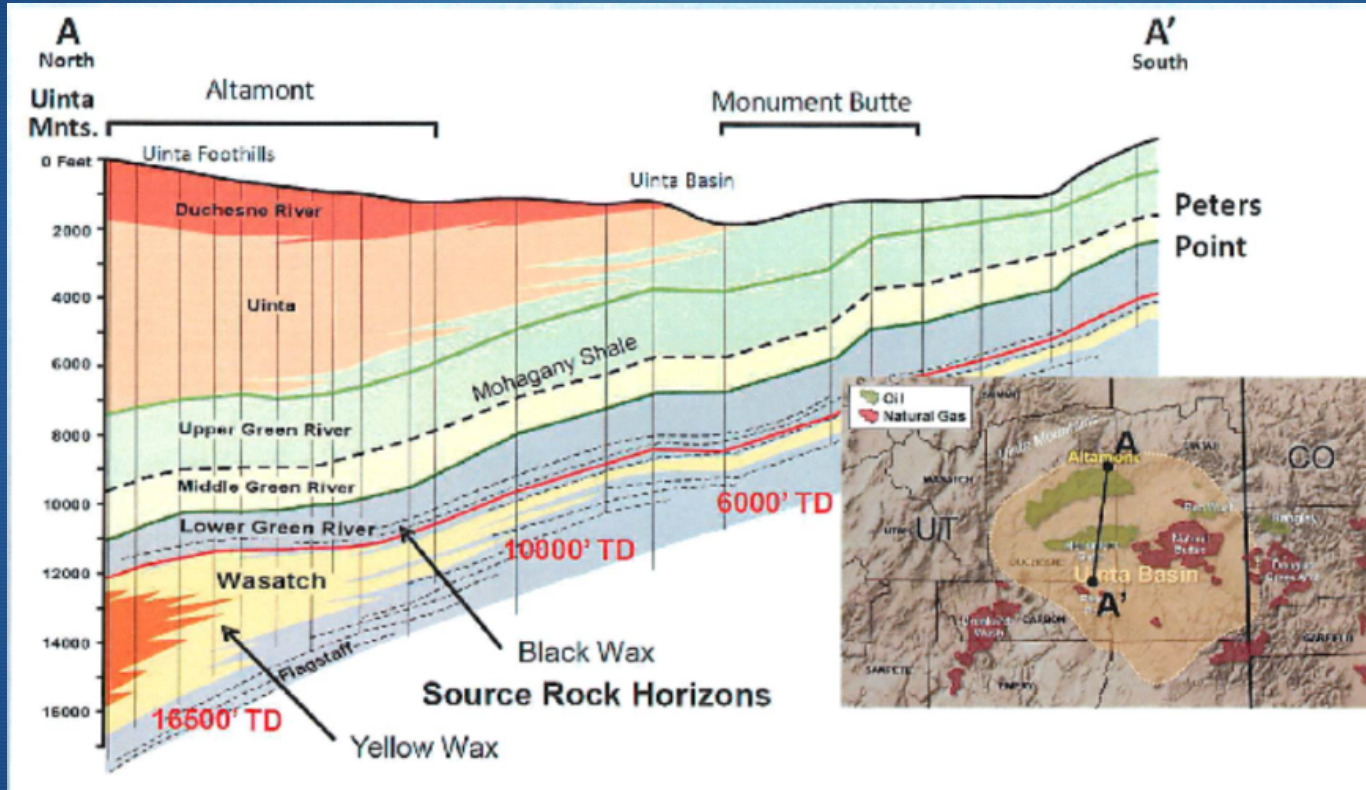
- 111 trillion cubic feet of natural gas
- 1.32 trillion barrels of oil and oil shale
- 50% of the oil sands found in North America are found in Eastern Utah
- One of the few places in the world gilsonite is found



Oil & Gas Deposits & Well Locations

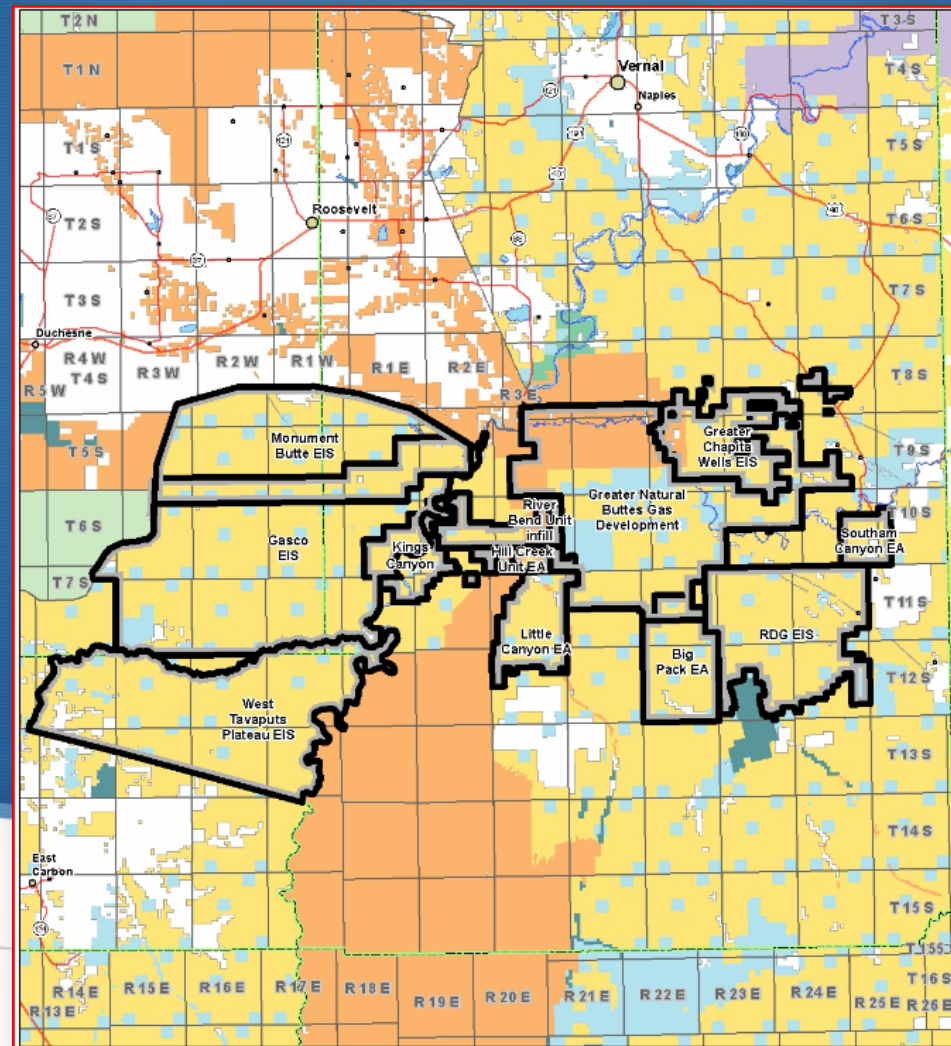


Uintah Basin Formation

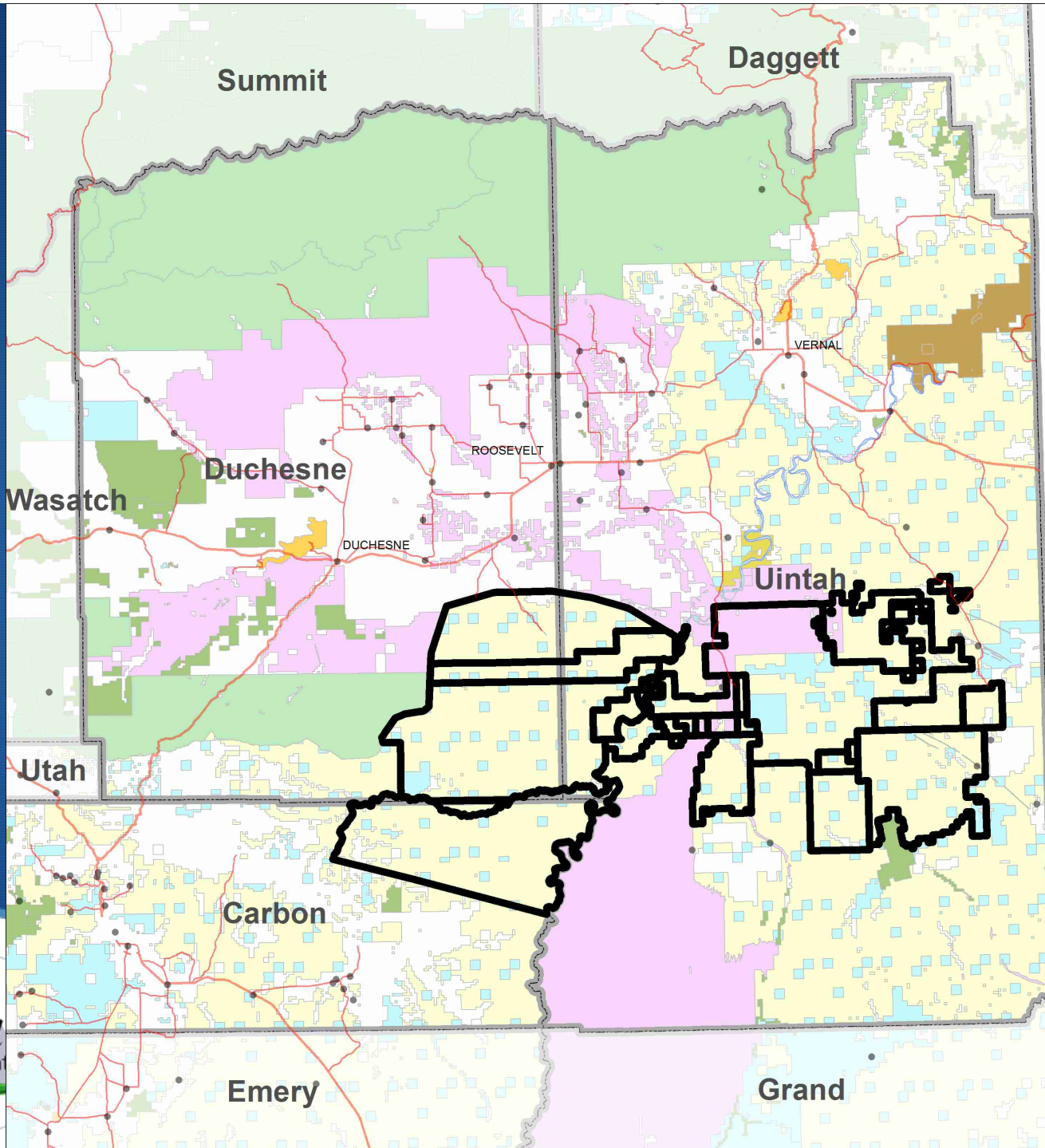


UINTAH
COUNTY ECONOMIC DEVELOPMENT

Major Uintah Basin Oil & Gas Projects



UINTAH
COUNTY ECONOMIC DEVELOPMENT



UINTAH
COUNTY ECONOMIC DEVELOPMENT

Major Uintah Basin Oil and Gas Projects

Project Name	Proposed Wells	Well Pads	Approval
RDG EIS ¹	423	423	August 2006
West Tavaputs Plateau EIS	807	488	July 2010
Greater Natural Buttes EIS	3,675	1,484	Spring 2012
Gasco Uinta Basin EIS	1,298	575	Spring 2012
Riverbend EA	~378	~169	Fall 2012
Greater Chapita Wells EIS	~6,637	~1,188	2014
Greater Monument Butte EIS	5,750	~1,700	2014
XTO Field Development EIS	~750 ²	~450 ²	2015
Southam Canyon EA ³	249	152	Unknown
Big Pack EA ³	664	292	Unknown
Totals	20,631	6,921	-

¹In State Director Review – implementation has been suspended pending the decision.

²Rough approximation based on XTO's proposed actions for the Little Canyon, Hill Creek, and Kings Canyon EAs.

³If RDG is upheld, will proceed as individual EAs or EISs. If RDG is remanded, all three will be combined into a single EIS.

Table 19. Annual Estimated Economic Activity from Gas and Oil Well Development and Completion for Utah by Project.

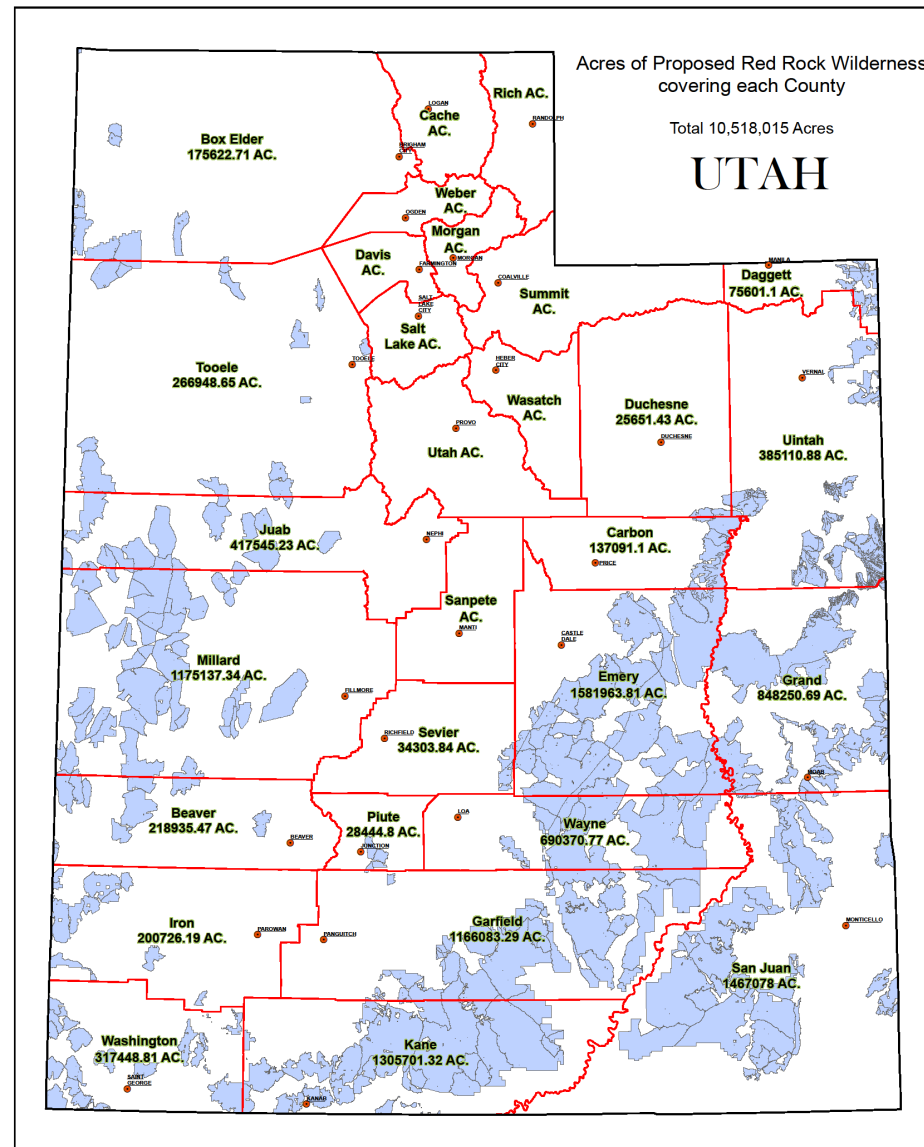
Proposed Project	Total Wells Proposed	Annual Wells Proposed for Development	Total Cost (Direct Effect)	Indirect Effect	Induced Effect	Total Annual Economic Activity	Total Project Economic Activity
Gasco Energy	1,538	100	\$438,726,000	\$59,571,743	\$115,342,502	\$613,640,244	\$9,437,786,960
Anadarko Buttes	3,496	358	\$1,570,639,080	\$213,266,839	\$412,926,156	\$2,196,832,075	\$21,452,862,946
Chapita Wells	7,028	469	\$2,057,624,940	\$279,391,474	\$540,956,333	\$2,877,972,747	\$43,126,636,381
Monument Butte Area	5,750	250	\$1,096,815,000	\$148,929,357	\$288,356,254	\$1,534,100,611	\$35,284,314,056
XTO's Little Canyon Field	510	73	\$320,269,980	\$43,487,372	\$84,200,026	\$447,957,378	\$3,129,565,247
XTO's Hill Creek Unit	137	19	\$83,357,940	\$11,318,631	\$21,915,075	\$116,591,646	\$840,687,135
XTO's River Bend Unit	368	65	\$285,171,900	\$38,721,633	\$74,972,626	\$398,866,159	\$2,258,196,100
Big Pack Natural Gas	664	66	\$289,559,160	\$39,317,350	\$76,126,051	\$405,002,561	\$4,074,571,223
Southam Canyon Gas	269	25	\$109,681,500	\$14,892,936	\$28,835,625	\$153,410,061	\$1,650,692,258
South Unit Oil and Gas Development	400	20	\$87,745,200	\$11,914,349	\$23,068,500	\$122,728,049	\$2,454,560,978
Totals	20,160	1,445	\$6,339,590,700	\$860,811,684	\$1,666,699,148	\$8,867,101,532	\$123,709,873,283

Source: IMPLAN 2010



Annual Estimated Economic Activity

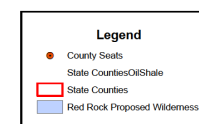






 Map Prepared By Uintah County GIS

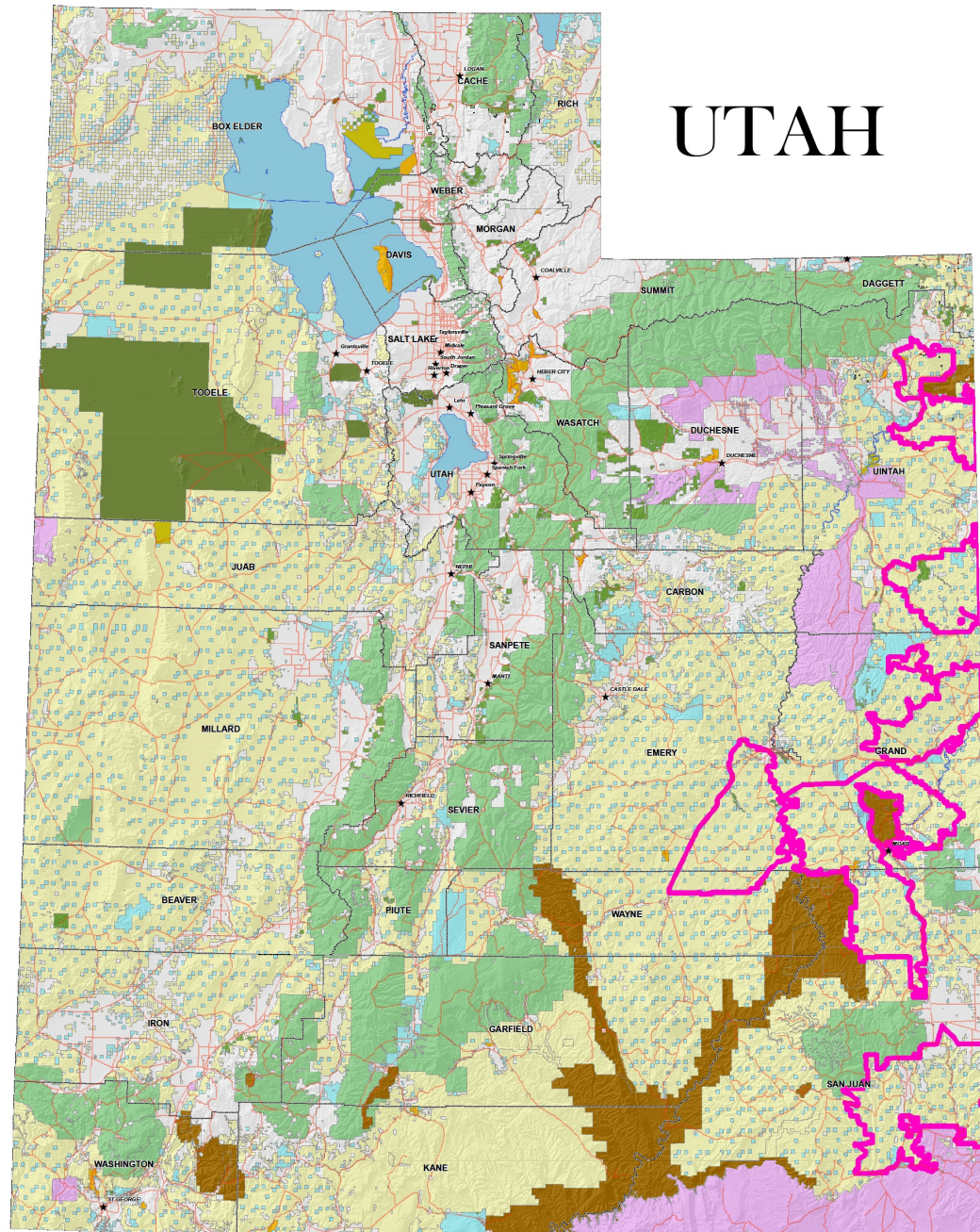
State of Utah
&
Proposed Red Rock Wilderness



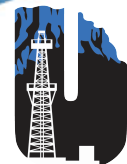
Source - AGRC; Proposed Red Rock Wilderness & State Counties



UTAH



Legend	
★	County Seats
—	Major Roads
■	Master Leasing Plan
—	County Boundaries
■	Forest Service Wilderness Areas (767,078ac, 1.4%)
■	BLM Wilderness Area (257,804ac, 0.5%)

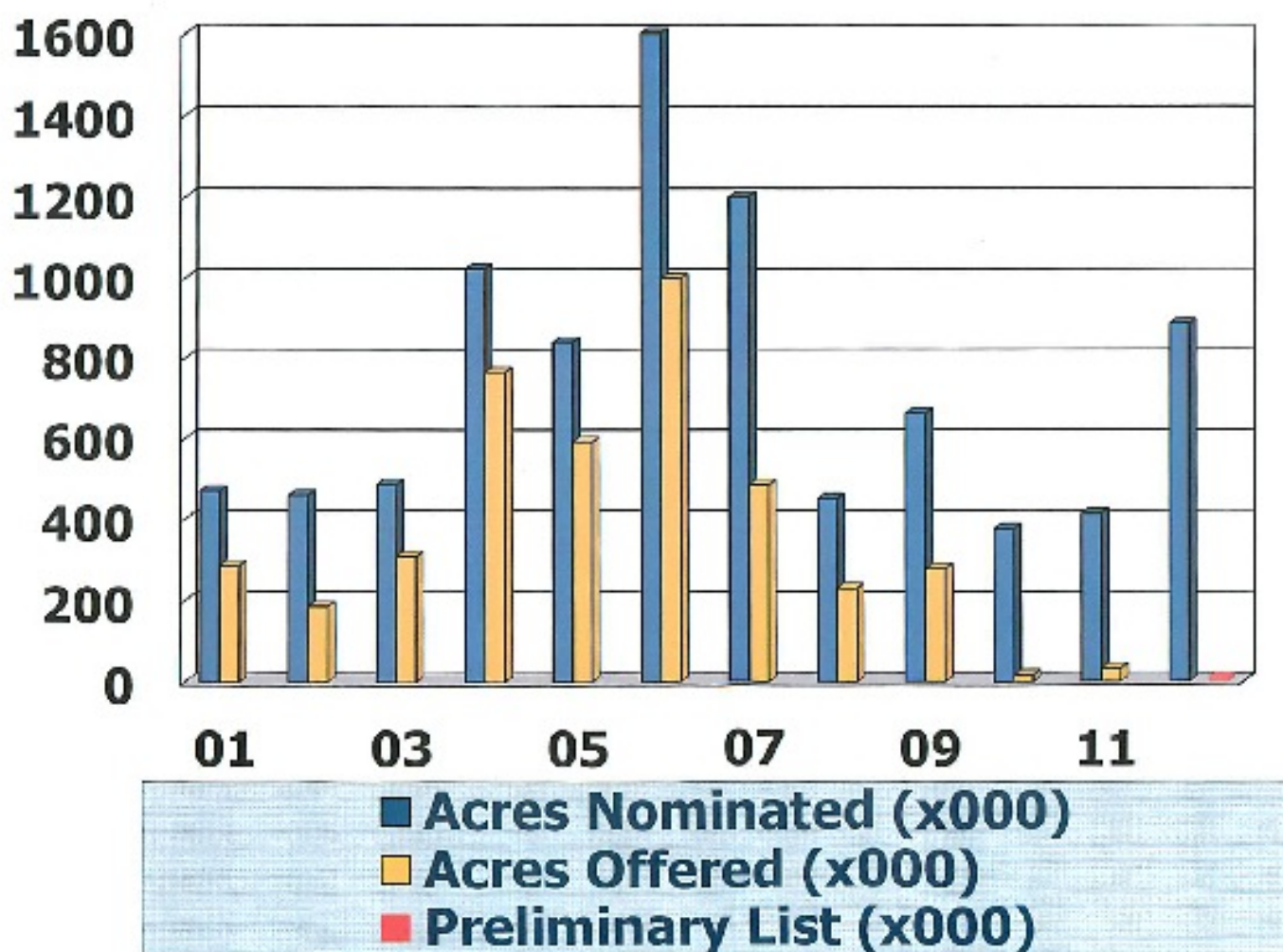


INTAH
ECONOMIC DEVELOPMENT

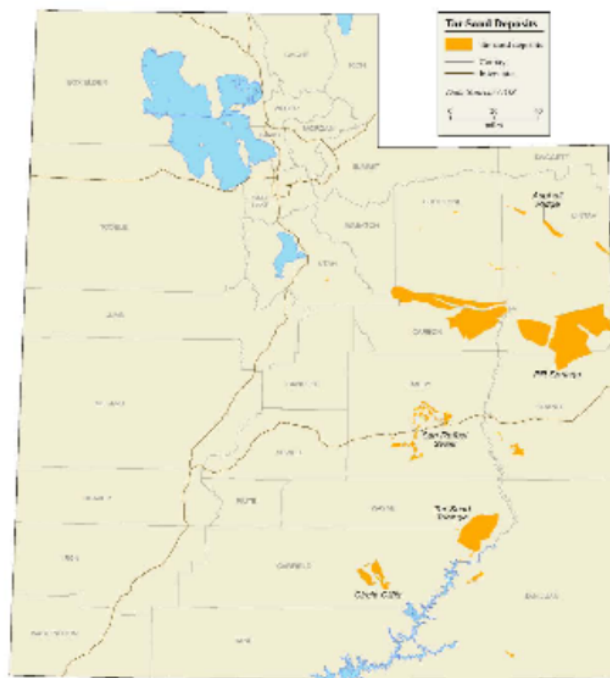


This Product may not meet Utah County Standards for accuracy and content. Different data sources and input scales may cause some misalignment of data layers.

Oil and Gas Leasing by Fiscal Year– BLM Utah



Utah Has Over Half of US Bitumen Resources



- Well-defined resources
- Over 30 billion bbls. in place
- Over 50% of US bitumen
- More than total US conventional proved reserves which are 21 billion bbls.



Uintah Oil Sands



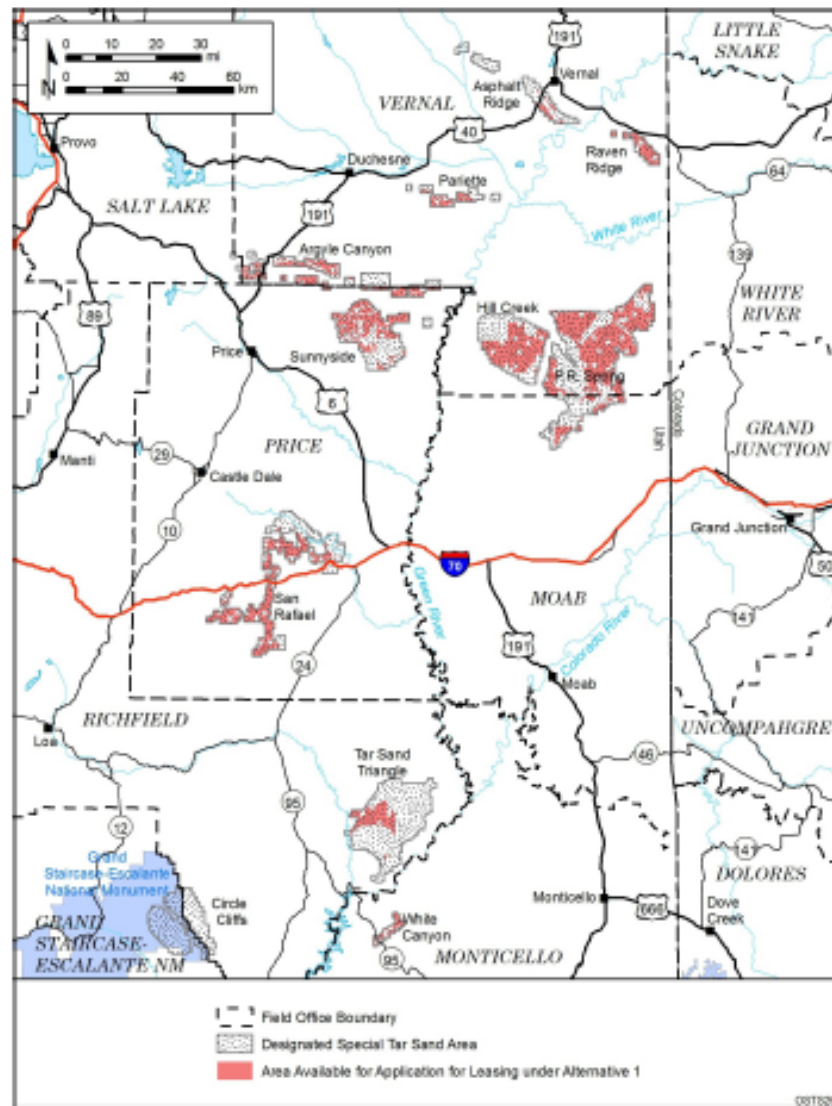
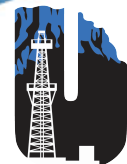


FIGURE 2.4.2-1 Land: Available for Application for Tar Sand: Leasing under Alternative 1 for Commercial Tar Sand: Development within the STSA: in Utah



UINTAH
COUNTY ECONOMIC DEVELOPMENT

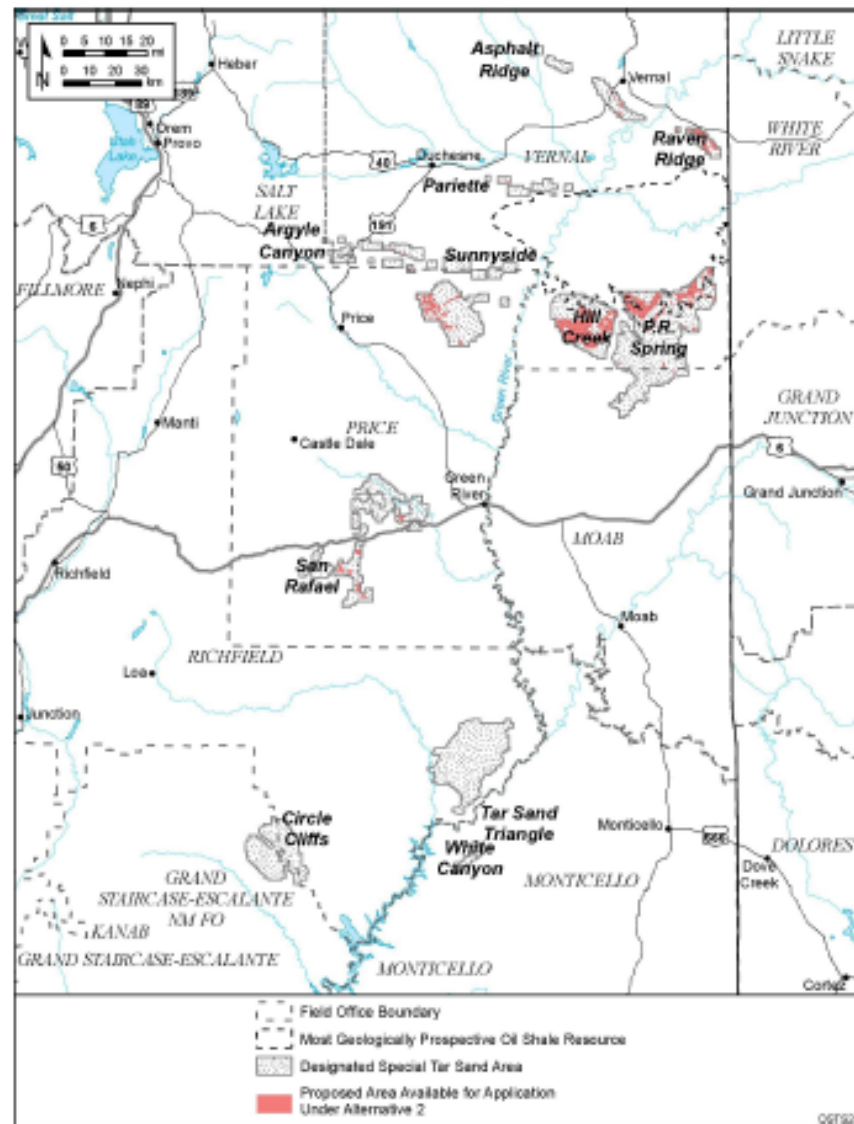


FIGURE 2.4.3-2 Lands Available for Application for Tar Sands Leasing under Alternative 2 (and Proposed Plan Amendment) for Commercial Tar Sands Development within the STSAs in Utah



UINTAH
COUNTY ECONOMIC DEVELOPMENT

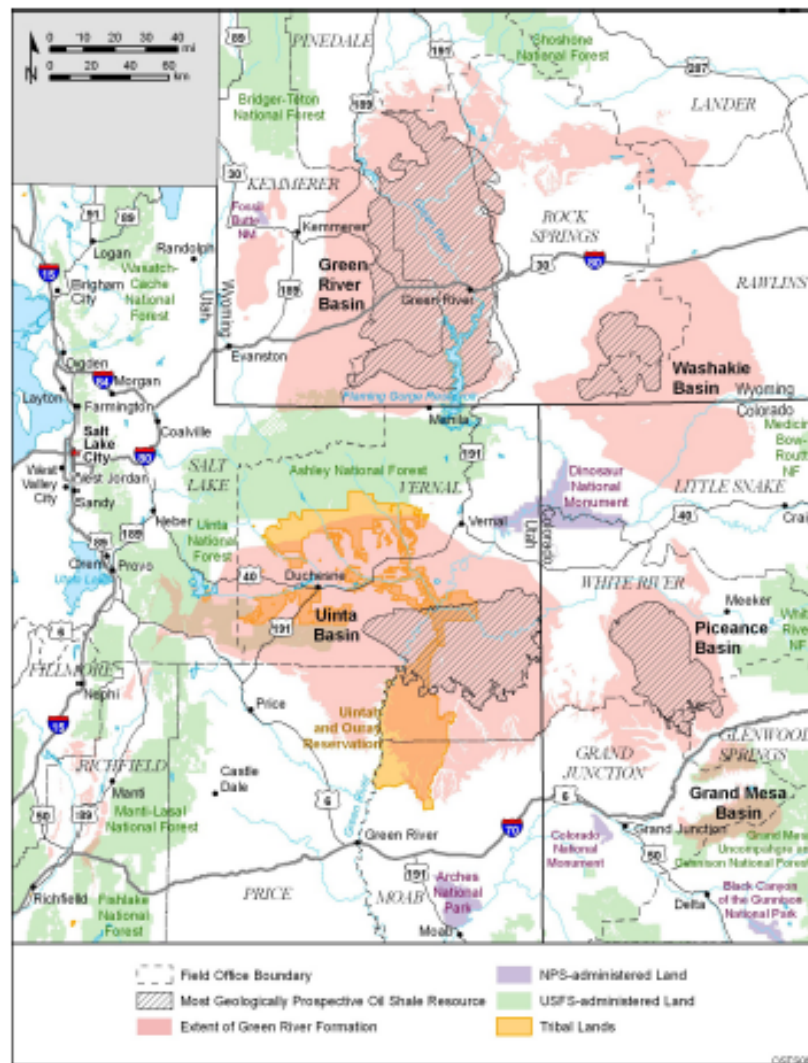
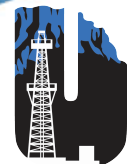


FIGURE 1.2-1 Most Geologically Prospective Oil Shale Resources within the Green River Formation Basins in Colorado, Utah, and Wyoming



UINTAH
COUNTY ECONOMIC DEVELOPMENT

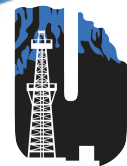
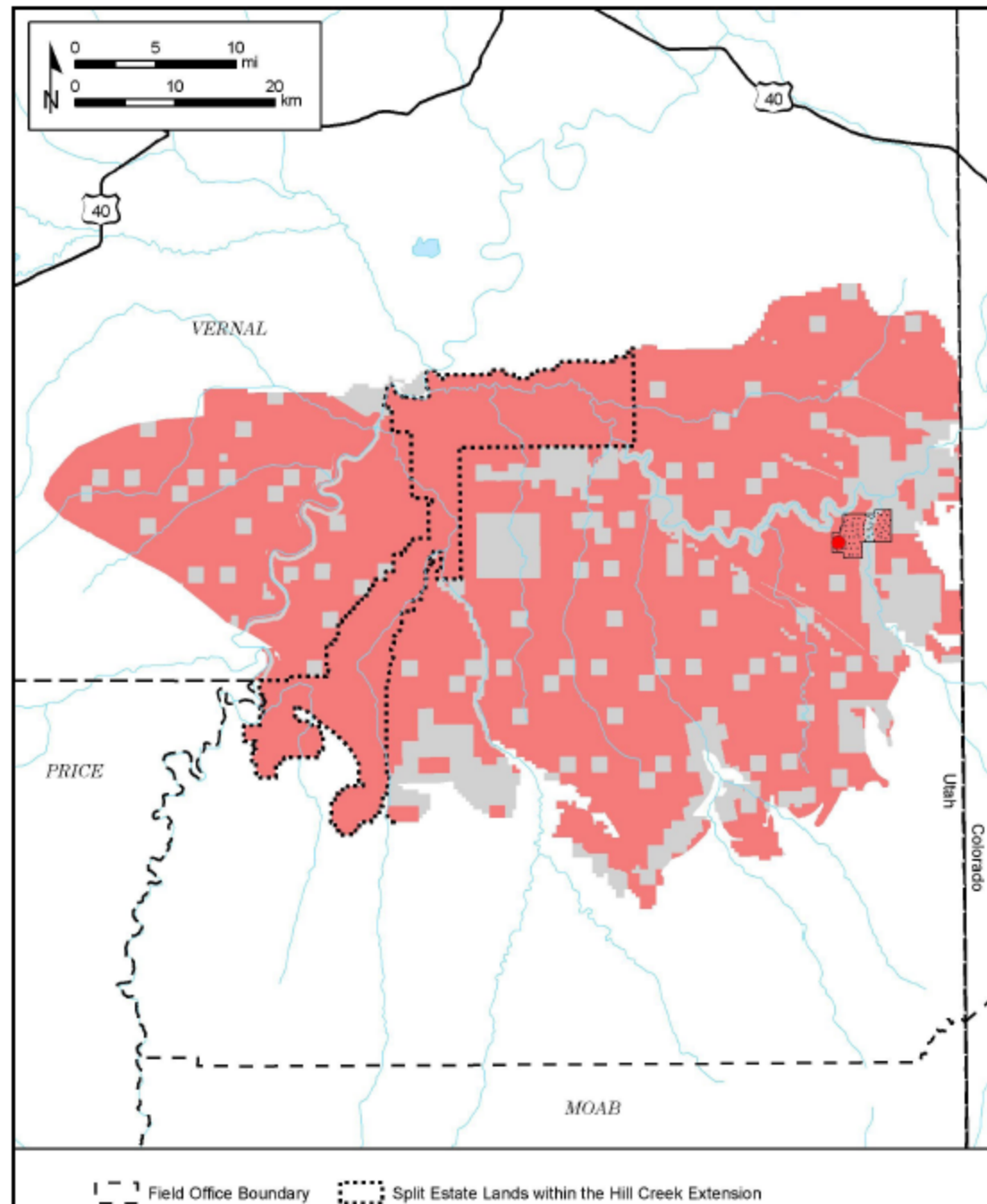
Oil Shale Reserves in the Green River Formation

- Estimated total in-place oil shale resources for the Eocene Green River Formation in the Greater Green River Basin is 1.44 trillion barrels (table 3), not too dissimilar from the estimated in-place resources of 1.52 trillion barrels for the Piceance Basin of Colorado of (Johnson and others, 2010a) and 1.32 trillion barrels for the Uinta Basin of Utah

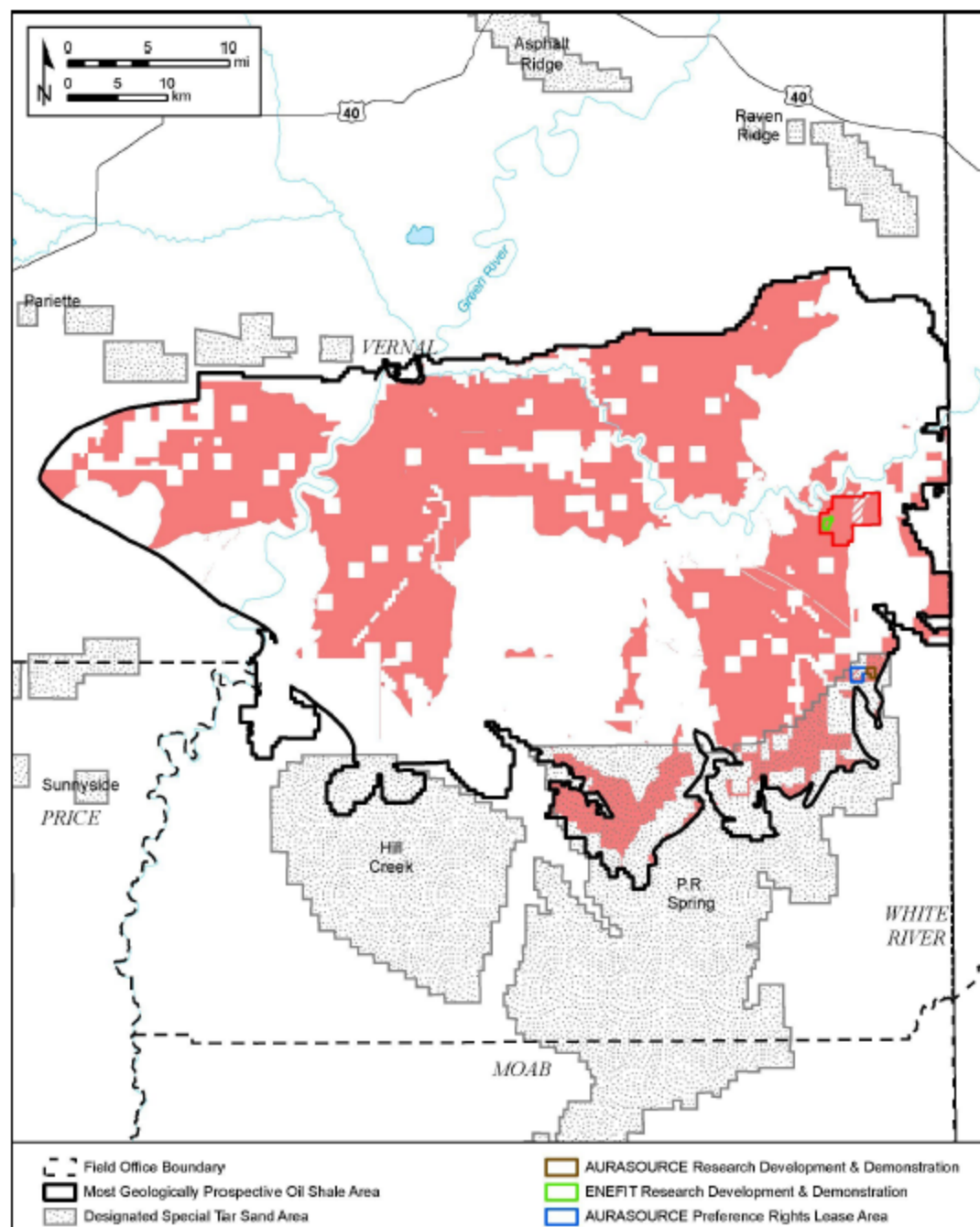








UINTAH
COUNTY ECONOMIC DEVELOPMENT



Uintah Basin Energy Zone

